

10 Cases first day			Ro= $n * r^{(n+1)} * (r - 1) / (r^n - 1)$			Diff= 0.24629		
n= 10 Days			Sn= $1 + r + r^2 + \dots + r^{(n-1)}$			/0.4= 0.61573		
r	Re	Re Cases Day 10	n=	10 Sn	Re= $n*r^{(n+1)}/Sn$	(r-1)*0.61573	Total (Ro)	
0.90	0.48181		0.90	6.51322	3.13811	0.48181		
0.91	0.52234		0.91	6.78427	3.54369	0.52234		
0.92	0.56525		0.92	7.07014	3.99637	0.56525		
0.93	0.61058		0.93	7.37168	4.50104	0.61058		
0.94	0.65841		0.94	7.68975	5.06298	0.65841		
0.95	0.70876		0.95	8.02526	5.68800	0.70876		
0.96	0.76170		0.96	8.37918	6.38239	0.76170		
0.97	0.81725		0.97	8.75253	7.15301	0.81725		
0.98	0.87546		0.98	9.14636	8.00731	0.87546		
0.99	0.93637		0.99	9.56179	8.95338	0.93637		
1.00	#DIV/0!	Def Re = 1	1.00	10.00000	10.00000	1.00000	0.00000	1.00000
1.01	1.06638		1.01	10.46221	11.15668	1.06638	0.00616	1.07254
1.02	1.13553		1.02	10.94972	12.43374	1.13553	0.01231	1.14785
1.03	1.20747		1.03	11.46388	13.84234	1.20747	0.01847	1.22595
1.04	1.28223		1.04	12.00611	15.39454	1.28223	0.02463	1.30686
1.05	1.35980		1.05	12.57789	17.10339	1.35980	0.03079	1.39058
1.06	1.44020		1.06	13.18079	18.98299	1.44020	0.03694	1.47714
1.07	1.52344		1.07	13.81645	21.04852	1.52344	0.04310	1.56654
1.08	1.60952		1.08	14.48656	23.31639	1.60952	0.04926	1.65878
1.09	1.69844	23.674	1.09	15.19293	25.80426	1.69844	0.05542	1.75385
1.10	1.79020	25.937	1.10	15.93742	28.53117	1.79020	0.06157	1.85177
1.11	1.88480	28.394	1.11	16.72201	31.51757	1.88480	0.06773	1.95253
1.12	1.98222	31.058	1.12	17.54874	34.78550	1.98222	0.07389	2.05611
1.13	2.08247	33.946	1.13	18.41975	38.35861	2.08247	0.08004	2.16252
1.14	2.18553	37.072	1.14	19.33730	42.26232	2.18553	0.08620	2.27174
1.15	2.29140	40.456	1.15	20.30372	46.52391	2.29140	0.09236	2.38376
1.16	2.40005	44.114	1.16	21.32147	51.17265	2.40005	0.09852	2.49857
1.17	2.51148	48.068	1.17	22.39311	56.23989	2.51148	0.10467	2.61616
1.18	2.62567	52.338	1.18	23.52131	61.75926	2.62567	0.11083	2.73650
1.19	2.74261	56.947	1.19	24.70886	67.76674	2.74261	0.11699	2.85960
1.20	2.86227	61.917	1.20	25.95868	74.30084	2.86227	0.12315	2.98542
1.21	2.98465	67.275	1.21	27.27381	81.40275	2.98465	0.12930	3.11395
1.22	3.10972	73.046	1.22	28.65742	89.11650	3.10972	0.13546	3.24518
1.23	3.23746	79.259	1.23	30.11281	97.48914	3.23746	0.14162	3.37908
1.24	3.36787	85.944	1.24	31.64344	106.57088	3.36787	0.14778	3.51564
1.25	3.50091	93.132	1.25	33.25290	116.41532	3.50091	0.15393	3.65484
1.26	3.63657	100.857	1.26	34.94495	127.07965	3.63657	0.16009	3.79666
1.27	3.77483	109.153	1.27	36.72348	138.62480	3.77483	0.16625	3.94107
1.28	3.91567	118.059	1.28	38.59256	151.11573	3.91567	0.17240	4.08807
1.29	4.05908	127.614	1.29	40.55643	164.62160	4.05908	0.17856	4.23764
1.30	4.20502	137.858	1.30	42.61950	179.21604	4.20502	0.18472	4.38974
1.31	4.35350	148.838	1.31	44.78636	194.97739	4.35350	0.19088	4.54438
1.32	4.50448	160.598	1.32	47.06178	211.98896	4.50448	0.19703	4.70152
1.33	4.65795	173.187	1.33	49.45074	230.33930	4.65795	0.20319	4.86115
1.34	4.81390	186.659	1.34	51.95841	250.12251	4.81390	0.20935	5.02325
1.35	4.97230	201.066	1.35	54.59016	271.43850	4.97230	0.21551	5.18780
1.36	5.13313	216.466	1.36	57.35158	294.39335	5.13313	0.22166	5.35480
1.37	5.29639	232.919	1.37	60.24849	319.09958	5.29639	0.22782	5.52421

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n=	10 Days		Sn= $1 + r + r^2 + \dots + r^{(n-1)}$			/0.4= 0.61573		
	Re Cases		n=	10	Re= $n * r^{(n+1)} / Sn$		(r-1)*0.61573	
r	Re	Day 10	r	Sn	$n * r^{(n+1)}$	Re	Total (Ro)	
1.38	5.46205	250.490	1.38	63.28691	345.67658	5.46205	0.23398	5.69603
1.39	5.63011	269.245	1.39	66.47313	374.25086	5.63011	0.24013	5.87024
1.40	5.80053	289.255	1.40	69.81366	404.95652	5.80053	0.24629	6.04683
1.41	5.97332	310.593	1.41	73.31527	437.93559	5.97332	0.25245	6.22577
1.42	6.14845	333.337	1.42	76.98499	473.33845	6.14845	0.25861	6.40706
1.43	6.32591	357.569	1.43	80.83010	511.32428	6.32591	0.26476	6.59068
1.44	6.50569	383.376	1.44	84.85818	552.06144	6.50569	0.27092	6.77662
1.45	6.68778	410.847	1.45	89.07709	595.72802	6.68778	0.27708	6.96486
1.46	6.87216	440.077	1.46	93.49497	642.51225	6.87216	0.28324	7.15539
1.47	7.05882	471.165	1.47	98.12029	692.61307	7.05882	0.28939	7.34821
1.48	7.24774	504.217	1.48	102.96180	746.24059	7.24774	0.29555	7.54329
1.49	7.43893	539.340	1.49	108.02858	803.61670	7.43893	0.30171	7.74063
1.50	7.63236	576.650	1.50	113.33008	864.97559	7.63236	0.30787	7.94022
1.51	7.82802	616.268	1.51	118.87604	930.56437	7.82802	0.31402	8.14205
1.52	8.02592	658.318	1.52	124.67658	1000.64370	8.02592	0.32018	8.34610
1.53	8.22602	702.934	1.53	130.74219	1075.48842	8.22602	0.32634	8.55236
1.54	8.42834	750.252	1.54	137.08372	1155.38820	8.42834	0.33249	8.76083
1.55	8.63285	800.418	1.55	143.71241	1240.64829	8.63285	0.33865	8.97151
1.56	8.83956	853.583	1.56	150.63990	1331.59017	8.83956	0.34481	9.18437
1.57	9.04844	909.906	1.57	157.87824	1428.55240	9.04844	0.35097	9.39941
1.58	9.25950	969.551	1.58	165.43991	1531.89132	9.25950	0.35712	9.61663
1.59	9.47273	1,032.693	1.59	173.33780	1641.98191	9.47273	0.36328	9.83601
1.60	9.68811	1,099.512	1.60	181.58527	1759.21860	9.68811	0.36944	10.05755
1.61	9.90565	1,170.196	1.61	190.19613	1884.01622	9.90565	0.37560	10.28124
1.62	10.12533	1,244.945	1.62	199.18467	2016.81081	10.12533	0.38175	10.50708
1.63	10.34715	1,323.964	1.63	208.56565	2158.06066	10.34715	0.38791	10.73506
1.64	10.57111	1,407.468	1.64	218.35435	2308.24726	10.57111	0.39407	10.96517
1.65	10.79719	1,495.683	1.65	228.56655	2467.87629	10.79719	0.40022	11.19741
1.66	11.02539	1,588.843	1.66	239.21858	2637.47875	11.02539	0.40638	11.43177
1.67	11.25571	1,687.193	1.67	250.32728	2817.61196	11.25571	0.41254	11.66825
1.68	11.48814	1,790.989	1.68	261.91009	3008.86082	11.48814	0.41870	11.90684
1.69	11.72268	1,900.496	1.69	273.98498	3211.83888	11.72268	0.42485	12.14754
1.70	11.95932	2,015.994	1.70	286.57056	3427.18963	11.95932	0.43101	12.39033
1.71	12.19806	2,137.771	1.71	299.68600	3655.58776	12.19806	0.43717	12.63523
1.72	12.43889	2,266.128	1.72	313.35113	3897.74045	12.43889	0.44333	12.88222
1.73	12.68181	2,401.381	1.73	327.58641	4154.38876	12.68181	0.44948	13.13129
1.74	12.92682	2,543.856	1.74	342.41294	4426.30902	12.92682	0.45564	13.38246
1.75	13.17390	2,693.894	1.75	357.85252	4714.31432	13.17390	0.46180	13.63570
1.76	13.42307	2,851.850	1.76	373.92763	5019.25599	13.42307	0.46795	13.89102
1.77	13.67431	3,018.093	1.77	390.66147	5342.02517	13.67431	0.47411	14.14842
1.78	13.92762	3,193.008	1.78	408.07796	5683.55446	13.92762	0.48027	14.40789
1.79	14.18300	3,376.994	1.79	426.20179	6044.81955	14.18300	0.48643	14.66943
1.80	14.44044	3,570.467	1.80	445.05840	6426.84101	14.44044	0.49258	14.93303
1.81	14.69995	3,773.860	1.81	464.67404	6830.68603	14.69995	0.49874	15.19869
1.82	14.96152	3,987.621	1.82	485.07574	7257.47031	14.96152	0.50490	15.46642
1.83	15.22515	4,212.219	1.83	506.29139	7708.35996	15.22515	0.51106	15.73620
1.84	15.49083	4,448.138	1.84	528.34973	8184.57350	15.49083	0.51721	16.00804
1.85	15.75856	4,695.883	1.85	551.28037	8687.38388	15.75856	0.52337	16.28193

10 Cases first day
n= 10 Days

$$Ro = n * r^{(n+1)} * (r - 1) / (r^n - 1) \quad Diff = 0.24629$$

$$Sn = 1 + r + r^2 + \dots + r^{(n-1)} \quad /0.4 = 0.61573$$

$$Re = n * r^{(n+1)} / Sn \quad (r-1) * 0.61573$$

r	Re	Re Cases Day 10	r	Sn	n*r^(n+1)	Re	Total (Ro)
1.86	16.02834	4,955.979	1.86	575.11382	9218.12062	16.02834	16.55787
1.87	16.30017	5,228.969	1.87	599.88149	9778.17199	16.30017	16.83586
1.88	16.57405	5,515.419	1.88	625.61577	10368.98728	16.57405	17.11589
1.89	16.84997	5,815.915	1.89	652.34999	10992.07912	16.84997	17.39797
1.90	17.12794	6,131.066	1.90	680.11847	11649.02589	17.12794	17.68209
1.91	17.40794	7,107.655	1.91	708.95657	12341.47420	17.40794	17.96826
1.92	17.68998	8,169.463	1.92	738.90067	13071.14149	17.68998	18.25646
1.93	17.97407	9,322.158	1.93	769.98822	13839.81864	17.97407	18.54669
1.94	18.26018	10,571.712	1.94	802.25777	14649.37274	18.26018	18.83897
1.95	18.54833	11,924.423	1.95	835.74898	15501.74987	18.54833	19.13328
1.96	18.83852	13,386.921	1.96	870.50266	16398.97806	18.83852	19.42962
1.97	19.13073	14,966.188	1.97	906.56080	17343.17027	19.13073	19.72799
1.98	19.42498	16,669.570	1.98	943.96658	18336.52745	19.42498	20.02839
1.99	19.72125	18,504.799	1.99	982.76442	19381.34179	19.72125	20.33082
2.00	20.01955	20,480.000	2.00	1023.00000	20480.00000	20.01955	20.63528
2.01	20.31988	22,603.717	2.01	1064.72029	21634.98665	20.31988	20.94177

1.414214	6.04683	320.000	1.414214	74.84062	452.54834	6.04683	
1.467000	7.00258	507.801	1.467000	96.71040	677.22230	7.00258	
1.732051	12.73189	2,430.000	1.732051	330.57815	4208.88346	12.73189	
1.900000	17.12794	6,131.066	1.900000	680.11847	11649.02589	17.12794	
1.908667	17.37050	6,416.551	1.908667	705.04937	12247.05908	17.37050	
1.910000	17.40794	6,461.505	1.910000	708.95657	12341.47420	17.40794	
2.000000	20.01955	10,240.000	2.000000	1023.00000	20480.00000	20.01955	
2.004072	20.14160	11495.44766	2.004072	1039.80660	20943.36798	20.14160	